

## CLAIMS

- 1) An analysis and/or measuring device comprising means for extracting, in the gaseous form, hydrocarbons contained in a liquid fluid, means for transporting said extracted gases, means intended for analysis and measurement on these extracted gases,
- 5 characterized in that said transport means include a tubular line comprising an inner tube made from at least one of the following plastics or from mixtures thereof :
- fluoropolymers such as PTFE (polytetrafluoroethylene), FEP (tetrafluoroethene-perfluoroprene copolymer), PVDF (polyvinylidene fluoride), ETFE (tetrafluoroethylene-ethylene copolymer), ETFCE (ethylene-trifluorochlorethylene
  - 10 copolymer), PCTFE (polychlorotrifluoroethylene), PFA (perfluoroalkoxyalkane),
  - fluoroelastomers, such as hexafluoropropylene/vinylidene fluoride copolymers, hexafluoropropylene/vinylidene fluoride/tetrafluoropropylene THV terpolymers, tetrafluoroethylene/hexafluoropropylene/treated vinylidene fluoride ,
  - Ketone polymer type elastomers, such as PEEK (polyetherether ketone), PEKK,
  - 15 PAEK, PEK, aliphatic polyketone.
- 2) A device as claimed in claim 1, wherein said inner tube is made of THV.
- 3) A device as claimed in any one of the previous claims, wherein said inner tube is externally protected by at least one other sheath.
- 4) A device as claimed in any one of the previous claims, wherein the thickness of
- 20 the inner tube ranges between 0.1 and 0.5 mm, and it is preferably below 0.2 mm.

5) A device as claimed in any one of the previous claims, wherein the inside diameter of the inner tube ranges between 3 and 12 mm, preferably between 6 and 10 mm.

6) Application of the device as claimed in any one of claims 1 to 5 for analysis of  
5 hydrocarbons carried along by a drilling fluid after drilling in a reservoir rock.